

HOUSATONIC RIVER BASIN

01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA

LOCATION.--Lat 42°04'29", long 73°20'02", Berkshire County, Hydrologic Unit 01100005, 2.5 mi downstream from Soda Creek, 3.1 mi upstream from Konkapot River.

DRAINAGE AREA.--465 mi².

PERIOD OF RECORD.--October 1991 to current year.

SUSPENDED-SEDIMENT CONCENTRATION: March 1994 to September 1995.

SUSPENDED-SEDIMENT DISCHARGE: March 1994 to September 1995.

EXTREMES FOR PERIOD OF RECORD.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 94 mg/L, March 9, 1995, minimum daily mean, 1 mg/L on several days.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 962 tons, April 8, 1994, minimum daily 0.41 tons, Aug. 25, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)	ENTERO-COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	
NOV 05...	0950	257	377	8.5	7.5	6.0	2.0	11.6	96	K18	K3	
JAN 05...	1145	400	404	7.9	-5.0	.5	1.9	14.0	99	K330	44	
MAR 30...	1050	1650	245	7.9	11.0	6.5	9.6	11.7	98	K11	K12	
MAY 17...	1030	373	342	8.0	22.5	17.5	2.0	8.4	88	58	K4	
JUN 30...	1130	1680	236	7.8	27.5	22.0	51	7.0	82	2700	3700	
JUL 15...	1045	275	351	8.6	26.5	21.0	5.4	9.9	114	94	40	
AUG 02...	1130	118	449	8.1	30.0	25.5	2.4	6.6	84	7300	50	
SEP 27...	1100	500	288	7.7	20.5	15.5	3.4	8.5	87	140	112	
DATE		HARD-NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CAC03 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
NOV 05...	130	35	12	19	2.0	2	140	119	14	26	<.10	
JAN 05...	140	37	13	25	2.0	0	153	125	15	37	<.10	
MAR 30...	86	23	7.3	11	.90	0	87	71	9.0	19	<.10	
MAY 17...	120	32	11	17	1.2	0	134	110	12	25	<.10	
JUN 30...	89	23	7.7	13	1.8	0	87	71	9.2	18	<.10	
JUL 15...	140	35	12	19	1.4	5	139	122	11	28	<.10	
AUG 02...	160	38	15	30	2.3	0	161	132	19	40	<.10	
SEP 27...	110	28	9.4	15	1.5	0	113	93	12	21	<.10	

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01198125 HOUSATONIC RIVER NEAR ASHLEY FALLS, MA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
NOV 05...	1.1	202	206	<.010	.385	.036	.31	.34	.30	.73
JAN 05...	3.6	223	231	.040	1.25	.137	.44	.58	.33	1.8
MAR 30...	3.1	127	141	<.010	.283	.020	.20	.22	.16	.50
MAY 17...	1.8	176	184	.014	.385	.047	.26	.31	.29	.69
JUN 30...	3.6	159	230	.019	.471	.081	.63	.71	.38	1.2
JUL 15...	2.9	200	204	<.010	.254	<.020	--	.61	.28	.86
AUG 02...	3.0	247	264	.011	.563	<.020	--	.34	.39	.90
SEP 27...	5.0	161	168	<.010	.401	.022	.16	.18	.26	.58
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
NOV 05...	<.050	<.050	.024	7.8	<1.0	12	<1.0	<1.0	<1.0	<1.0
JAN 05...	.071	.041	.035	9.9	<1.0	13	<1.0	<1.0	<1.0	<1.0
MAR 30...	.042	.013	<.010	12	<1.0	8.4	<1.0	<1.0	<1.0	<1.0
MAY 17...	.035	.015	.017	15	<1.0	12	<1.0	<1.0	<1.0	<1.0
JUN 30...	.188	.040	.024	14	<1.0	12	<1.0	<1.0	<1.0	<1.0
JUL 15...	.039	.008	<.010	17	<1.0	13	<1.0	<1.0	<1.0	<1.0
AUG 02...	.048	.014	<.010	15	<1.0	17	<1.0	<1.0	<1.0	<1.0
SEP 27...	.041	.022	.016	13	<1.0	13	<1.0	<1.0	<.80	<1.0
DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 05...	1.2	130	<1.0	39	<1.0	<1.0	<1.0	4.1	<1.0	4.4
JAN 05...	1.4	67	<1.0	40	<1.0	<1.0	<1.0	1.5	<1.0	3.7
MAR 30...	<1.0	38	<1.0	17	<1.0	<1.0	<1.0	<1.0	<1.0	4.4
MAY 17...	1.2	47	<1.0	48	<1.0	<1.0	<1.0	<1.0	<1.0	7.6
JUN 30...	1.8	57	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	8.5
JUL 15...	1.2	32	<1.0	22	<1.0	<1.0	<1.0	<1.0	<1.0	5.1
AUG 02...	1.9	28	<1.0	37	1.3	1.7	<1.0	1.5	<1.0	4.5
SEP 27...	1.7	68	<1.0	52	<1.0	<1.0	<1.0	1.1	<1.0	5.0